



# CONNECTION

## Information for Teachers

### ALBERTA EDUCATION

Vol. 1 No. 2 October 1992

*Connection* is a publication of the Student Programs and Evaluation Division.

## ECS-GRADE 12 CURRICULUM AND RESOURCES

### French as a Second Language

The following new documents may be purchased through the LRDC:

#### **Beginning Level Legal Documents**

- *French as a Second Language Program of Studies*
- *Français langue seconde. Programme d'études.*

#### **Beginning Level Service Documents**

- *French as a Second Language: Annotated Bibliography of Learning Resources.*

#### **Intermediate Level Legal Documents**

- *French as a Second Language Program of Studies, Year 4 to Year 12*

- *Français langue seconde. Programme d'études, De la 4 a la 12 année.*

#### **Service Documents**

- *French as a Second Language Teacher Resource Manual*
- *Français langue seconde. Guide d'enseignement*
- *French as a Second Language: Facilitator's Guide for Implementing the New Program of Studies. Professional Development Manual*
- *Français langue seconde. Guide de l'animateur pour l'implantation du nouveau programme d'études. Manuel pour le perfectionnement professionnel*
- *French as a Second Language: Student Evaluation Guide*
- *Français langue seconde. Guide d'évaluation des élèves*

- *The New Senior High School French as a Second Language Program: Questions and Answers.*

For more information, contact Wally Lazaruk at 427-2940.

### Special Cases Committee Annual Report, 1990-91 School Year

The *Special Cases Committee Annual Report* is now available. It reveals general trends appearing in special cases and some decisions made by the committee.

The committee deals with all matters that require the interpretation and application of policy relative to the programming for an individual student, as outlined in the *Guide to Education: Senior High School Handbook, 1992-93.*

Principals may request a copy of the report by contacting Marcia Wright at 427-0010, Fax 422-4200, or by writing to the Student Evaluation Branch, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2.

## Special Education

Two new teaching resources produced by the Education Response Centre are now available from the Education Response Centre:

- *Behavior Challenges: A Shared Approach* is intended to assist educators in meeting the needs of students (Grades 4-12) with behavior disorders. It assists educators in examining areas of weakness that may be contributing to behavior problems and in determining the views and opinions of others vitally interested in and affected by behavior problems. The document assists in generating dialogue and creating channels of cooperation among the various people faced with meeting behavior challenges.
- *Resources for Special Education, and Guidance and Counselling: An Annotated List*, 1992. This annotated list of publications and documents is divided into four sections. Section I lists the titles alphabetically by subject. Section II gives the annotations alphabetically by title. Section III lists the authorized learning resources available for special education, and Section IV lists the French authorized learning resources for special education.

For more information, contact Grace LeBlanc at 422-6326.

## **ECS/ELEMENTARY CURRICULUM AND RESOURCES**

### Grants Handbook

A new teaching resource produced by the Education Response Centre is now available from the Education Response Centre:

- *ECS Program Unit Grants — A Handbook for ECS Operators*, 1992 is written specifically as a resource for ECS operators to apply for Program Unit Grants (PUG).

For more information, contact Jim McClellan at 422-6326.

### English Language Learning

Provincial implementation of the language learning curriculum occurred September 1992. Teacher support is provided by authorized teaching resources and the language learning video series. Work is well underway on Part E (curriculum standards) of the program of studies. This section will provide illustrations of levels of performance as demonstrated in samples of children's language.

Resources, Levels 1-7 (unless otherwise indicated). These resources are available through the LRDC.

### **Teaching Resources**

- *A Guide to Children's Spelling Development for Parents and Teachers* (Active Learning Institute)
- *Spelling Instruction That Makes Sense* (Pembroke Publishers)

- *And What Else?* (Ginn Publishing), Level 1
- *Bringing It All Together: A Program for Literacy* (Scholastic/Scholastic-TAB Publications Ltd.)
- *Literature and Cooperative Learning: Pathway to Literacy* (Literature Co-op)
- *Literacy Through Literature* (Scholastic/Scholastic-TAB Publications Ltd.)
- *Real Books for Reading: Learning to Read with Children's Literature* (Pembroke Publishers), Levels 1-4
- *Start with a Story: Literature and Learning in Your Classroom* (Pembroke Publishers).

### **Language Learning Videos**

The first two language learning videos are available through ACCESS Network:

- *Language Learning: A Search for Meaning*
- *Language Learning: Explore, Construct and Communicate.*

The third video in the series, *Language Learning: Levels of Performance*, is in the final stages of production.

### **Multi-Component Resources**

- *WAVES: Language Across the Curriculum* (Houghton Mifflin) is now authorized and listed in the LRDC August supplement. Authorization status of the components is as follows:

## Basic Resources

- *Student Literature Sets 1, 2 and 3* (Language Levels 2, 3 and 4). There are ten children's literature selections in each set.
- *Big Books* — four books for combined use at Levels 2, 3 and 4.

## Support Resources

- *Language Masters 1, 2 and 3* (Language Levels 2, 3 and 4).
- *Sound WAVES* cassettes — Sets 1, 2 and 3 for Levels 2, 3 and 4. Big Book tapes for combined use at all three levels.

## Teaching Resource

- Teacher's Resource Binders 1, 2 and 3 (Language Levels 2, 3 and 4).

## Student Videos

The following videos are authorized as support resources and are available through ACCESS Network:

- *Island of the Blue Dolphins*. The story is found in *Journeys "Ride the Wave" Anthology* (Level 7).
- *The Sweater*. This story and discussion questions are found in *Journeys "Ride the Wave"* (Level 7), *Unicorn "Silver Sounds"* (Level 6) and *Impressions "Run Forever"* (Level 5 Teacher's Anthology).

For more information, contact Lynn Bryan at 427-2984.

## Français and French Language Arts

The following resources are authorized and available from the LRDC:

### Basic Resource (Grade 2)

- *Périscopes 2* (Modulo) (Immersion): Livre de lecture, Activités à reproduire, Chansons et comptines (cassette 1), Textes d'écoute (cassette 2).

### Support Resource (Grade 2)

- *Périscopes 2* (Modulo) (Immersion): Cahier d'activités 1, Cahier d'activités 2.

### Teaching Resource (Grade 2)

- *Périscopes 2* (Modulo) (Immersion): Guide pédagogique.

### Basic Resources (Grade 3)

- *Tri-Oh!* (Graficor) (Francophone)
- *Trifouine* — Livret 1
- *Trimousse* — Livret 2
- *Trivol* — Livret 3
- Cahier d'activités — Habiletés et connaissances en lecture
- Cahier d'activités — Habiletés et connaissances en écriture.

## Teaching (Grade 3)

- Cahier d'activités — Habiletés et connaissances en écriture (corrigé)
- Guide pédagogique, 1re partie et 2e partie.

### Basic Resources (Grade 5)

- Français V (Lidec) (Immersion). Cahiers d'activités 1 et 2 — Blackline masters.

For more information, contact Alain Nogue at 427-2940.

## French as a Second Language

The provincial implementation date of the Beginning level program, ECS to Grade 9, was September 1992.

The Intermediate level of the new French as a Second Language program has received Ministerial approval for provincial implementation in Year 4 to Year 9 effective September 1993. The Intermediate Levels 4, 5 and 6 are now available for optional implementation.

The following resource is authorized for the Intermediate level program and is available from the LRDC:

### Basic Resource (Grades 4-6 — Ages 9-12)

- *Chouette* — (Centre Éducatif et Culturel).

For more information, contact Wally Lazaruk at 427-2940.



## Health

Alberta Health has recently added the following HIV/AIDS resources to the Elementary Resource Kits:

- *Come Sit By Me* (video)
- *Come Sit By Me* (poster).

For more information, contact Linda Findlay, AIDS Education Coordinator, Provincial AIDS Program, at 427-0836.

## Interdisciplinary Resources

The following resources are authorized and available from the LRDC:

- *Early Explorations in Mathematics and Science* (includes Line Masters), (Addison-Wesley). Also authorized for Mathematics — Levels 1 and 2, and Science — Division 1
- *One at a Time, All at Once: The Creative Teacher's Guide to Individualized Instruction without Anarchy* (Scott, Foresman and Co./Gage Educational Publishing Co.).

This material is authorized for all subjects at the elementary education level.

For more information, contact Jenny Crane at 427-2984.

## Mathematics

The revised elementary mathematics program is scheduled for provincial implementation September 1994. Work has commenced on the development of the final section of the program, Part E (curriculum standards). In this section, the levels of mathematics performance will be illustrated through sets of problems, solutions and samples of students' work. These samples will be collected from classrooms during the year. It is anticipated that the program (Parts A through E) will be available by June 1993.

Listed below are the basic and support learning and teaching resources that are authorized and available from the LRDC:

### **Basic Teaching Resources**

- *Explorations for Early Childhood* (Teacher Resource Book), Levels 1 and 2 (Addison-Wesley)
- *Explorations 1* (Teacher Resource Book), Level 3 (Addison-Wesley)
- *Explorations 2* (Teacher Resource Book), Level 4 (Addison-Wesley)
- *MathWorks: Book A* (Teaching Resource Book), Level 3 (Houghton Mifflin)
- *MathWorks: Book B* (Teaching Resource Book), Level 4 (Houghton Mifflin).

### **Basic Resources**

- *MathQuest 3* (Student's Edition), Level 5 (Addison-Wesley)

- *MathQuest 4* (Student's Edition), Level 6 (Addison-Wesley)
- *MathQuest 5* (Student's Edition), Level 7 (Addison-Wesley)
- *MathQuest 6* (Student's Edition), Level 8 (Addison-Wesley).

### **Support Resources**

- *MathWorks: Book A. Gameboards*, Level 3 (Houghton Mifflin)
- *MathWorks: Book B. Gameboards*, Level 4 (Houghton Mifflin)
- *MathQuest 1* (Student's Edition), Level 3 (Addison-Wesley)
- *MathQuest 2* (Student's Edition), Level 4 (Addison-Wesley).

### **Teaching Resources**

The following resources are for Levels 1 to 4, from Addison-Wesley:

- *Windows on Mathematics: Management Guide*
- *Windows on Mathematics: Matching*
- *Windows on Mathematics: Shapes*
- *Windows on Mathematics: Counting and Numbers*
- *Windows on Mathematics: Comparing*
- *Windows on Mathematics: Classifying and Graphing*

- *Windows on Mathematics: Patterns*
- *Windows on Mathematics: Reading and Writing Numerals*
- *Windows on Mathematics: Number Concepts, 0–9*
- *Windows on Mathematics: Adding and Subtracting*
- *Windows on Mathematics: Number Concepts, 10–99*
- *Windows on Mathematics: Measuring*
- *Windows on Mathematics: Money and Time.*
- *MathQuest Three: Program Manual* (including Data Management Supplement), Level 5
- *MathQuest Three: Teacher's Resource Book*, Level 5
- *MathQuest Three: File Folder Games*, Level 5
- *MathQuest Four: Program Manual* (including Data Management Supplement), Level 6
- *MathQuest Four: Teacher's Resource Book*, Level 6
- *MathQuest Four: File Folder Games*, Level 6

#### Other Levels

- *Explorations for Early Childhood: Line Masters*, Levels 1 and 2
- *Explorations 1: Blackline Masters*, Level 3
- *Explorations 2: Line Masters*, Level 4
- *MathQuest One: Program Manual* (including Data Management Supplement), Level 3
- *MathQuest One: Evaluation Book*, Level 3
- *MathQuest One: File Folder Games*, Level 3
- *MathQuest Two: Program Manual* (including Data Management Supplement), Level 4
- *MathQuest Two: Evaluation Book*, Level 4
- *MathQuest Two: File Folder Games*, Level 4
- *MathQuest Five: Program Manual* (including Data Management Supplement), Level 7
- *MathQuest Five: Teacher's Resource Book*, Level 7
- *MathQuest Five: File Folder Games*, Level 7
- *MathQuest Six: Program Manual* (including Data Management Supplement), Level 8
- *MathQuest Six: Teacher's Resource Book*, Level 8
- *MathQuest Six: File Folder Games*, Level 8.

The following resources are from Houghton Mifflin:

- *Math Works: Book A. Blackline Masters*, Level 3
- *Math Works: Book B. Blackline Masters*, Level 4.

For more information, contact Mary Anne Nissen or Jenny Crane at 427–2984.

## Science

Development work is proceeding on the revision to the elementary science curriculum.

The following teaching resource is authorized for Division 1 and is available from the LRDC:

- *Early Explorations in Mathematics and Science* (includes Line Masters), (Addison-Wesley).

For more information, contact Al McGillis or Jenny Crane at 427–2984.

## Social Studies

The following basic resource is authorized and available from the LRDC:

### **Grade 6, Topic C**

- *China: Our Pacific Neighbour* (Reidmore Books).

For more information, contact Jenny Crane at 427–2984.

## Social Studies (French)

The following are authorized as basic resources for both the francophone and the immersion programs and are available from the LRDC:

### **Grade 5 (Topic B)**

- *Nos liens avec les autres pays*, (Les Éditions de la Chenelière, 1992).

## Grade 6 (Topic C)

- *La Chine en mouvement*, (Les Éditions de la Chenelière, Arnold, 1992).

The following are authorized as support resources for both the francophone and the immersion programs and are available from the LRDC:

## Grade 5 (Topic C)

- *Découvrons . . . États Unis* (Gründ, 1990)
- *Découvrons . . . Grande Bretagne* (Gründ, 1990).

## Grade 5 (General)

- *Découvre ton monde — L'Ontario*, (vidéo). Available through ACCESS Network.

For more information, contact Alain Nogue at 427-2940.

## JUNIOR/SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES

### Art

The following are authorized as support resources:

- *Emily Carr: Little Old Lady on the Edge of Nowhere* (CBC video). Available from ACCESS Network. This resource explores Emily Carr's creative journey toward a realization of artistic truth. The Group of Seven influences her to continue with her painting and she sets out to capture the spirit of Canada's west coast. In later years, after

experiencing several crippling strokes, she turns to writing.

- *Artists in Wonderland —* (video), Films for the Humanities, 1988. Available from ACCESS Network. The world of art is not the least of the areas being altered radically by the advent and wide spread use of computers. For computer artists, keyboards and videotapes are replacing palette and canvas to create an entirely new genre. The program examines this new world of computer imaging, integrating the language of art with computer capabilities. The program may be useful for those interested in careers in art.

For more information, contact Mary Lyseng at 427-2939.

## JUNIOR HIGH SCHOOL CURRICULUM AND RESOURCES

### Career and Technology Studies (CTS)

#### **Agriculture — Year Two, Distance Learning**

The Alberta Distance Learning Centre student modules and assignment booklets, student support guide for parents and learning facilitator's manual for teachers are now available from the LRDC. The course requires the textbook: *The Living Soil, A Renewable Resource* (Weigl Educational Publishers Ltd.).

For more information, contact John Punko in Barrhead at 674-5333.

### English Language Arts

Seven junior high English language arts series with potential for basic status are being field tested in 51 junior high schools across Alberta this school year. The series are *Cycles* (Prentice-Hall), *Galaxies* (Addison-Wesley), *In Context*, revised (Nelson), *Issues Collection* (McGraw-Hill Ryerson), *Mini-Anthologies* (Nelson), *MultiSource* (Prentice-Hall), and *Perspectives* (HBJ-Holt). The field test runs from September 1992 to the end of April 1993, with the announcement about authorizations expected in late May 1993.

For more information, contact Barbara Esdale at 427-2939.

### Français and French Language Arts

The teacher resource manual *Exploitation du roman et de la pièce de théâtre* (Secondaire premier cycle) (Alberta Education, 1992) is now available from the LRDC.

The following are authorized as basic resources for the Grade 8 Français and Grade 9 French Language Arts programs and are available from the LRDC:

- *Première étape*, Dossier 1989 (Stratégies 1990)
- *Deuxième étape*, Dossier 1990 (Stratégies 1991)
- Vidéo cassette, 1991.



The following teaching resources are authorized for the Grade 8 Français and Grade 9 French Language Arts programs and are available from the LRDC:

- *Nouveaux Parcours, 2e itinéraire* (Centre Éducatif et Culturel)
- *Première étape* — Guide pédagogique, 1990.

For more information, contact Alain Nogue at 427-2940.

### **French as a Second Language**

The Intermediate level of the new French as a Second Language program has received Ministerial approval for provincial implementation in Year 4 to Year 9 effective September 1993. The Intermediate level is now available for optional implementation.

The course codes at the Intermediate level are 7353 for Grade 7, 8353 for Grade 8 and 9353 for Grade 9.

The following basic resources are authorized for the Intermediate level program in junior high school. These resources are available through the LRDC:

#### **Grades 7-9 (Ages 13-15)**

##### Level 4

- *Élans 1* (Centre Éducatif et Culturel)
- *Entre amis 1* (Prentice-Hall).

##### Level 5

- *Entre amis 2* (Prentice-Hall)
- *Passages 3* (Addison-Wesley).

##### Level 6

- *Entre amis 3* (Prentice-Hall).

For more information, contact Wally Lazaruk at 427-2940.

### **Mathematics**

#### **Mathematics 8, Distance Learning**

The Alberta Distance Learning Centre student modules and assignment booklets, student support guide for parents, learning facilitator's manual for teachers and companion audiotapes are now available from the LRDC.

For more information, contact John Punko in Barrhead at 674-5333.

### **Science**

#### **Science 8-9, Distance Learning**

The Alberta Distance Learning Centre student modules and assignment booklets, student support guide for parents, learning facilitator's manual for teachers and companion audiotapes are now available from the LRDC.

Science 8 is based on the textbook *Science Direction 8* (John Wiley and Sons) and Science 9 is based on the textbook *Science Direction 9* (John Wiley and Sons).

For more information, contact John Punko in Barrhead at 674-5333.

### **Social Studies**

#### **Social Studies 7**

The following support resource is authorized for Topic C and is available from the LRDC:

- *Bush Land People* (The Arctic Institute of North America, 1991).

#### **Social Studies 8**

The following basic resources are authorized for Topic B and are available from the LRDC:

- *Canada: A History to the Twentieth Century* (Reidmore Books, 1992)
- *Canada Revisited: A Social and Political History of Canada to 1911* (Arnold Publishing, 1992).

#### **Social Studies 9**

Thanks to the more than 250 respondents who provided feedback on the proposed changes to Topic 9B. Responses were overwhelmingly in favour of the changes. Final fine-tuning of the topic will be completed and the revised topic will be taken forward for Ministerial approval. Once approved, copies will be distributed to schools.

For more information, contact Joan Engel at 427-2939.

## **Social Studies 9, Distance Learning**

The Alberta Distance Learning Centre student modules and assignment booklets, student support guide for parents, learning facilitator's manual for teachers and companion audiotapes are now available from the LRDC.

Social Studies 9 is based on the textbooks: *Japan: Its People and Culture* (Reidmore Books), *The Peigan: A Nation in Transition* (Plains Publishing), and *Cultures in Canada: Strength and Diversity* (Weigl Educational Publishers Ltd.).

For more information, contact John Punko in Barrhead at 674-5333.

## **Social Studies (French)**

The following are authorized as basic resources for both francophone and immersion programs and are available from the LRDC:

### **Grade 7 (Topic B)**

- *Découvrons . . . Japon* (Gründ, 1991).

### **Grade 9 (Topic B)**

- *La croissance économique — L'Union Soviétique*, Manuel de l'élève (Alberta Education, 1992).

### **Grades 7-9 (General)**

- *Atlas HRW — Québec, Canada, Monde* (Éditions HRW, 1992).

The following teaching resources were prematurely listed in the August 1992 Supplement of the LRDC Buyers Guide:

### **Grade 7 (Topic B)**

- *Le Japon : Son peuple et sa culture*, Guide-ressource (Les Éditions de la Chenelière, 1992).

### **Grade 9 (Topic A)**

- *Gros plan sur les États-Unis*, Guide-ressource (Les Éditions de la Chenelière, 1992).

### **Grade 9 (Topic C)**

- *Le Canada face au changement*, Guide-ressource (Les Éditions de la Chenelière, 1992).

The resources should be available later this fall. Please note that the three resources listed above are abridged versions of the Reidmore teacher guides for Topics 7B, 9A and 9C. The French versions contain mostly student activities.

For more information, contact Alain Nogue at 427-2940.

## **SENIOR HIGH SCHOOL CURRICULUM AND RESOURCES**

### **Basic Business**

#### **Basic Business 20, Distance Learning**

The Alberta Distance Learning Centre student modules and

assignment booklets, learning facilitator's manual for teachers and companion audiotapes are now available from the LRDC.

For more information, contact John Punko in Barrhead at 674-5333.

## **Blackfoot Language and Culture**

### **Blackfoot Language and Culture 10-20-30**

This program is approved for provincial implementation in September 1993. Currently, basic resources are not available for this program. Supplementary resources are identified in the document *Blackfoot Language and Culture: A Selective Bibliography of Learning Resources* (ECS-Grade 12), available from the LRDC.

For more information, contact John Sokolowski at 427-2940.

## **Career and Life Management (CALM) 20**

During the 1991-92 school year, Alberta Education Regional Office consultants monitored the implementation of CALM 20 throughout the province. Feedback received from teachers, students and school administrators during the monitoring process will be used in fine-tuning and making revisions to the course of studies for CALM 20.



Teachers will be given an opportunity to respond to the proposed changes to the course of studies for CALM 20 in November 1992, when a preliminary draft is circulated to all senior high schools.

Learning materials, both print and audio-visual, are being reviewed on the topics of human sexuality, and family and relationship violence. An updated list will be available in December 1992, and the resources will be available for preview at CALM CAPERS TWO.

CALM CAPERS TWO is a one-day conference for CALM teachers tentatively scheduled for January, during the semester break, being jointly planned by Edmonton Public Schools and Strathcona County Schools. Information on CALM CAPERS TWO will be distributed to schools later this fall.

For more information, contact Gina Vivone-Vernon at 427-2939.

### Career and Technology Studies (CTS)

On June 11, 1992 the Alberta Legislature unanimously passed the following motion:

"Be it resolved that the Legislative Assembly urge the government to step up its efforts to implement Career and Technology Studies programs designed to prepare students for further training and career opportunities in highly skilled technical fields, business, the trades and other related fields."

### **Enterprise and Innovation**

Enterprise and Innovation is being offered on an optional basis in the 1992-93 school year. Please use the following module code numbers on the school program plans:

#### Introductory Level Modules

Challenge and Opportunity, code number 4001

Planning a Venture, code number 4002.

#### Intermediate Level Modules

Analyzing Ventures, code number 5001

Financing Ventures, code number 5002

Marketing the Venture, code number 5003

Making It Happen, code number 5004.

#### Advanced Level Modules

Managing the Venture, code number 6001

Expanding the Venture, code number 6002.

Students may receive 1 credit for each module for which they can demonstrate the competencies outlined in the Program of Studies.

The following student learning and teaching resources are authorized for Enterprise and Innovation and are available from the LRDC:

- *All That Glitters* (30-minute video)

- *The Entrepreneurial Spirit* (text) (McGraw-Hill Ryerson)

- *The Entrepreneurial Spirit* (teacher's resource manual)

- *Entrepreneurship: Creating a Venture* (text) (John Wiley and Sons)

- *Entrepreneurship: Creating a Venture* (teacher's resource package)

- *Entrepreneurship for Canadians: The Spirit of Adventure* (videos and user's guide)

- *Entrepreneurship: The Spirit of Adventure* (text) (HBJ-Holt)

- *Entrepreneurship: The Spirit of Adventure* (teacher's guide).

Joel Barker's *Paradigms: Discovering the Future* (38-minute video), is available from Regional Film Centres. Copies of the Enterprise and Innovation Interim Teacher Resource Manual are available on request.

For more information, contact Jan Mills at 427-2984.

### **Field Review**

Tourism Studies is being field validated at the intermediate and advanced levels this fall. In addition, 13 other strands are being field reviewed at the introductory level in sites across the province. The 13 strands are Design Studies, Food Studies, Legal Studies, Communication Studies, Management and Marketing Studies, Financial Management, Information Processing, Construction Technologies,

Agriculture, Energy and Mineral Resources, Forestry, Wildlife, and Work Experience. Programs to be initiated in 1992-93 are Cosmetology, Fabrication Studies, and Mechanics.

For more information, contact Sharon Prather at 427-2984, or your Regional Office Consultant.

### **Registered Apprenticeship Program (RAP)**

About 46 schools are participating in a field test of the Registered Apprenticeship Program (RAP) across the province.

Registered Apprenticeship Program requests for approval will be handled in the same manner as other requests for locally developed courses (please refer to the Alberta Education Policy Manual, Policy 05-07-01, Locally Developed Senior High School Courses).

For more information, contact Scotty Day at 427-2984.

### **Resources**

The following new or revised resources recently received authorization as basic resources and are available from the LRDC. These resources will also be authorized for the related CTS strands.

- *Autocad* (IBM Version, Release R11) is authorized for the following courses: Building Construction 22-32, Clothing and Textiles 20-30, Drafting 20-22-30-32, Graphic Arts 22-32, Industrial Education 20-30, and Visual Communications 22-32. It is available in four formats:

- IBM 286 3 1/2
- IBM 286 5 1/4
- IBM 386 3 1/2
- IBM 386 5 1/4.

- *Autosketch* (IBM Version 3.0, Student Version) is authorized for Industrial Education 10-20-30 and Visual Communications 22-32.

- *Publish It!* (IBM Version 2.0) is authorized for Computer Processing 10-20-30 and Computer Studies. It is available as a single or lap pack.

- *Publish It!* (Apple Version 4.0) is authorized for Computer Studies. It is available in four formats:

- Apple 3 1/2
- Apple 5 1/4
- Lap pack 3 1/2
- Lap pack 5 1/4.

- *Microsoft Word* (Macintosh Version 5.0) is authorized for Typewriting 10-20-30 and Word Processing 30.

For more information, contact Sharon Prather at 427-2984.

## **Cree Language and Culture**

### **Cree Language and Culture 10-20-30**

This program was approved in June 1992 for provincial implementation in September 1993. Currently, basic resources are not available for this program. Supplementary learning resources are identified in the support document *Cree Language and Culture: A Selective Bibliography of Supplementary Resources ECS-Grade 12*.

For more information, contact John Sokolowski at 427-2940.

## **English Language Arts**

Fourteen new senior high English texts with potential for basic status (and their accompanying teacher guides) are being field tested in 44 senior high schools across Alberta this fall. The resources are: *Features Series* (13-23-33) (Nelson), *Inside Essays I* (10-20) (HBJ-Holt), *Inside Essays II* (20-30) (HBJ-Holt), *Essays: Patterns and Perspectives* (30) (Oxford), *Poetry Alive: Reflections* (30) (Copp Clark Pitman), *The Reader Writes the Story* (10) (Prentice-Hall), *The Possibilities of Story, Vol. I* (20) (McGraw-Hill Ryerson), *The Possibilities of Story, Vol. II* (30) (McGraw-Hill Ryerson), *The Storyteller: Stories from Around the World* (20-30) (Nelson), *Countries of Invention* (20-30) (Addison-Wesley), *Tapestries: Short Stories from the Asian Pacific Rim* (30) (Nelson), *Inside Stories for Senior Students* (30) (HBJ-Holt) and *In Character* (10) (Nelson).

The field validation runs from September 1992 to the end of January 1993, with an announcement about authorizations expected in April 1993.

Evaluation of new senior high novels and nonfiction continues, with a field test list of new titles expected May 1993. The 1983 novels and nonfiction listing remains current until then.

For more information, contact Barbara Esdale at 427-2939.

### French as a Second Language

The Intermediate level of the new French as a Second Language program has received Ministerial approval for provincial implementation in Year 4 to Year 9, effective September 1993. The Intermediate level courses French 20 and French 30 are now available for optional implementation.

The provincial implementation date for the Intermediate level senior high school courses is September 1994 for French 20 and September 1995 for French 30.

The course codes at the Intermediate level are 2309 for the new French 20 and 3309 for the new French 30.

The following basic resources are authorized for the Intermediate level program in senior high school. These resources are available through the LRDC.

### **French 20 (Grades 10-12 – Ages 15-17)**

- *Arc-en-ciel* 3 (Mary Glasgow)
- *Entrez* 2 (Copp Clark)
- *Passage* 3 (Addison-Wesley).

### **French 30 (Grades 10-12 – Ages 15-17)**

- *Arc-en-ciel* 4 (Mary Glasgow).

For more information, contact Wally Lazaruk at 427-2940.

### German Second Language

The following basic resources are no longer authorized:

- *Unsere Freunde* (Level 1); *Die Welt Der Jugend* (Level 2) (HBJ-Holt-Saunders)
- *Vorwärts International Series, K1, K2 and K3* (Gilde Buchhandlung).

The following basic resources are authorized and available through the LRDC:

- *Deutsch Heute*, Levels 1 and 2 (2nd edition, Nelson Canada)
- *Neue Freunde* (HBJ-Holt-Saunders).

For more information, contact Michael Kage at 427-2940.

### Japanese Second Language

The following support resources are authorized and available through the LRDC:

- *Active Japanese 1* (Longman Paul/Copp Clarke Pitman)
- *Active Japanese 2* (Longman Paul/Copp Clarke Pitman).

The following support resource is authorized and available through ACCESS Network:

- *Let's Learn Japanese* (Kaukyusha Publishing Co. Ltd.). This resource consists of 13 programs (60 minutes each), a textbook and transcript of video programs.

For more information, contact Elaine Harasymiw at 427-2940.

### Mathematics

The August 1992 revision to the Quadratic Relations unit of the Mathematics 30-33 Teacher Resource Manual was distributed to schools in August 1992. This document replaces the supplement that was distributed in September 1991.

For more information, contact Hugh Sanders at 427-2984.

### **Curriculum Standards**

Development of Curriculum Standards (Part E of the Course of Studies) in Mathematics 10 and 20 is currently underway. The standards will complement those for Mathematics 30 that were published in the *Diploma Examination Program Bulletin, Mathematics 30, 1992/93 School Year*.



The development of these curriculum standards should assist teachers in assessing student performance in Mathematics 10 and 20. An information session dealing with curriculum standards will be given by Hugh Sanders and Florence Glanfield during the MCATA conference in Medicine Hat, November 6, 1992.

The following resources are authorized and available from the LRDC:

### Basic Resources

#### Mathematics 20-33

- *Math Sense Video Programs* (ACCESS Network).

### Teaching Resources

#### Mathematics 14

- *Consumer and Career Mathematics: Teacher's Manual* (Gage 2nd Edition, 1991).

#### Mathematics 20

- *Mathematics 11 National Edition: Teacher's Resource Book* (Addison-Wesley, 1991).

#### Mathematics 30

- *Mathematics 12 National Edition: Teacher's Resource Book* (Addison-Wesley, 1992)
- *Holtmath 12: Teacher's Resource Manual* (HBJ-Holt-Saunders, 1990)

- *Mathematics: Principles and Process 12: Teacher's Resource Package* (Nelson, 1991).

For more information, contact Hugh Sanders at 427-2984.

### Mathematics 13, Distance Learning

The Alberta Distance Learning Centre videotapes *Freddie Factor* and *Multiplying Polynomials*, and the audiotape *Variation/Random Number Tables* are now available from the LRDC.

For more information, contact John Punko in Barrhead at 674-5333.

### Mathematics (French)

Translated excerpts from *Mathematics 12* (Addison-Wesley) are now available through the LRDC. A distribution was made to all purchasers of *Mathématiques 12* (Les Éditions Beauchemin).

For more information, contact Ghislaine Lavergne at 427-2940.

### Music

#### General Music 10-20-30

General Music 10-20-30 is now being field tested and it is anticipated that the new program and resources will be ready for full implementation in the 1993-94 school year.

#### Instrumental Music 10-20-30

- *Teaching the Music Program Through Repertoire* (Alberta Education) is a teaching resource that is expected to be available from the LRDC by November 1992.

For more information, contact Mary Lyseng at 427-2939.

### Science

#### Science 10

After an intensive field validation, Science 10 is being implemented in Alberta schools. An estimated 30,000 students are taking the course this school year.

#### Assessment Resources Packages

Sample Science 10 unit and final examinations (multiple choice and short answer) along with suggested performance assessment activities are now available through LRDC in three formats:

- Hard copy only
- ASCII format and hard copy
- LXR-test format and hard copy.

These resources were developed by teachers in cooperation with the Curriculum Branch science team and have not been field validated.

For more information, contact Raja Panwar at 427-2984.

## Science 10, Distance Learning

The Alberta Distance Learning Centre student modules and assignment booklets, learning facilitator's manual for teachers and companion audiotapes are now available from the LRDC. Science 10 is based on the textbook *Visions 1* (Gage).

For more information, contact John Punko in Barrhead at 674-5333.

## Science 14, Distance Learning

The Alberta Distance Learning Centre videotape for Science 14, covering modules 1 to 4, is now available from the LRDC.

For more information, contact John Punko in Barrhead at 674-5333.

## Science 20

Approximately 125 teachers from 33 schools across Alberta are currently field validating the new Science 20, Biology 20, Chemistry 20 and Physics 20 programs. These teachers participated in a comprehensive four-day inservice at the University of Lethbridge last June and will be involved throughout this school year providing the Curriculum and Student Evaluation Branches with information on how new programs and strategies are working in the classroom. A large percentage of these teachers are now into their second year of field validation, having started with Science 10 last year. Individual teachers and whole science staffs are continuing to offer strong leadership and support to fellow

teachers through local and ATA Science Council professional development initiatives.

For more information, contact Raja Panwar at 427-2984.

## Resource Document

The latest *Secondary Science Resource Information* document is available from Regional Office of Alberta Education science consultants, or by contacting Tania Pander at 427-2984.

## Science 20, Biology 20, Chemistry 20, Physics 20

Sample units and final examinations as well as performance assessment activities have been developed for these new courses. Copies of these assessment resource packages were distributed to all field validation schools. These packages will be field validated throughout this school year and will be made available in revised form through the LRDC late next spring.

## Basic Resources for the New Biology 20-30, Chemistry 20-30 and Physics 20-30 Programs

Six recently authorized basic student texts, two for each new program, are now available from the LRDC:

Biology 20-30 (Implementation September 1993)

- *Biology Directions* (John Wiley and Sons)
- *Nelson Biology* (Nelson Canada).

Chemistry 20-30 (Implementation September 1993)

- *Addison-Wesley Chemistry* (Addison-Wesley)
- *Nelson Chemistry* (Nelson Canada).

Physics 20-30 (Implementation September 1993)

- *Fundamentals of Physics* (D. C. Heath)
- *Physics Principles and Problems* (Maxwell Macmillan).

For more information, contact Raja Panwar at 427-2984.

## Science (French)

The following basic resource is authorized for Chimie 20-30 and is available from the LRDC:

- *La chimie — Une approche moderne* (Les Éditions de la Chenelière, 1991).

The following teaching resource is authorized for senior science programs and is available from the LRDC:

- *Enseignements des sciences STS: Pour unifier les buts de l'enseignement de sciences* (Alberta Education).

For more information, contact Ghislaine Lavergne at 427-2940.

## Social Studies

The following teaching resource is authorized for Social Studies 30, Topic B:

- *Global Forces of the Twentieth Century Teacher's Resource* (Reidmore Books, 1992).

### **Social Studies 30-33**

Thanks to the more than 85 respondents who provided feedback on the proposed changes to Social Studies 30-33. Alberta Education has responded to some concerns by delaying the implementation of changes until September 1993. During this school year, additional fine-tuning will take place and the changes will be taken forward for Ministerial approval.

### **Social Studies 30**

The Student Evaluation Branch distributed subject bulletins and updates October 16, 1992. These bulletins and updates summarize the changes to be made in the diploma examinations and scoring guides for the 1993 examinations. Teachers should review these changes, particularly any changes to the scoring guides, with their students.

For more information, contact Joan Engel at 427-2939.

## Social Studies (French)

### **Social Studies 33B**

The following basic resource is authorized for both francophone and immersion programs:

- *L'interaction mondiale au XXe siècle*, Guide, Modules (Alberta Education, 1992).

### **Social Studies 10A-B**

An interim edition of the following resource is available from the Language Services Branch:

- *Le Canada dans le monde moderne*, Guide pour l'enseignant (Alberta Education).

### **Social Studies 10A, 10B, 13A, 13B**

The following is authorized as a support resource for both francophone and immersion programs:

- *Le Canada et le monde — Un rôle à définir* (Weigl Educational Publishers Ltd).

For more information, contact Alain Nogue at 427-2940.

## Spanish Second Language

The following support resource is authorized for Grade 10 and is available from the LRDC:

- *Pathways to Proficiency: Communicative Activities for Level One* (Addison-Wesley).

For more information, contact Elaine Harasymiw at 427-2940.

## Ukrainian Second Language

- *Mova i rozmova, Level 3* (Language and Conversation, Level 3) (Ukrainian Canadian Committee) is being piloted as a basic resource for students in the advanced level of Ukrainian language studies. The resource consists of a teacher handbook, audio-cassettes and a student workbook. It is available from the LRDC.

For more information, contact Elaine Harasymiw at 427-2940.

## **OTHER NEWS**

### Alberta Foundation for Economic Education Essay Contest

Thirty-two students from 16 Alberta high schools submitted essays in the 1992 Alberta Foundation for Economic Education Essay Contest. First prize was awarded to Natasha Kubik of St. Mary's Roman Catholic School in Taber, Alberta. Natasha's teacher is Karol Ksiazek. Second prize was awarded to Janis Pethybridge of Lindsay Thurber Comprehensive High School in Red Deer, Alberta. Janis' teacher is D. Clink. Third prize went to Susan Somlai of Dr. E. P. Scarlett High School in Calgary, Alberta. Susan's teacher is Marsha Leary. The contest is sponsored by the Alberta Treasury Branches.





First prize winner  
Natasha Kubik

For more information, contact Dr. James Hrabí, Executive Director of the Alberta Foundation for Economic Education at 421-9331.

### CRB Foundation Heritage Project

Alberta Education is in the process of finalizing arrangements to make 25, one-minute Heritage Minutes available through ACCESS Network. They should be available to schools by the end of October. For details on the Heritage Minutes, see *Connection*, June 1992.

For more information, contact Joan Engel at 427-2939.

### Electronic Bulletin Board Networks Alberta Science and Math Teachers

The Science Alberta Foundation and the ATA Science Council

are funding an electronic bulletin board for educators and students, based in Leduc, Alberta. The BBS computer network allows teachers all over Alberta to post and receive messages to and from other teachers at no or low cost, depending on the distance from Leduc. Edmonton and area residents can call free, while late evening line charges from other areas of Alberta are reasonable. A computer, a modem (1200 BAUD minimum) and a communication software package are the requirements for joining this forum of exciting educational exchange. There is an Alberta Education section on the BBS where the latest curriculum information and resource lists can be accessed.

This system also networks Alberta educators with other educators around the world through the K-12 network at no cost. Discussion and exchange on educational matters can be carried out both provincially and internationally.

For more information, contact George Cormie at 427-2984, during the day, or 986-0104, evenings.

### Fellowships in Environmental Education

FEESA (Friends of the Environmental Education Society of Alberta) is organizing several institutes in environmental education for educators interested in background information and teaching strategies in the following areas:

- Waste Education Institute, February 27 to March 7, 1993, Edmonton, Alberta
- Water Education Institute, March 20 to 28, 1993, Calgary, Alberta.

For more information, contact Jim Martin, FEESA, 9939 Jasper Avenue, Edmonton, Alberta, T5J 2X5, Telephone 421-1497.

### ACCESS Network — Night Owl Service

ACCESS Network's Night Owl program schedule enables educators to record ACCESS Network programs for preview and classroom use.

This early morning service is broadcast Tuesday through Friday mornings from 1:00 a.m. to 7:00 a.m. The copyright for these programs has been cleared for use in the classroom.

Night Owl enables educators to view programs available from ACCESS Network before purchasing them. Any program for which ACCESS Network has obtained broadcasting and duplication rights can be requested for preview. The programs requested for preview are broadcast Friday mornings on Night Owl. The Night Owl Program Schedule Catalogue has been circulated to Alberta school libraries and can also be obtained free on request, from ACCESS Network.

For more information, contact ACCESS Network at 1-800-352-8293.

## Career Information Hotline

Attention CALM 20 teachers: for convenient access to information on career planning, occupational descriptions, educational options, job search skills, training programs, educational funding, resources, and referrals, call the Provincial Department of Career Development and Employment's Career Information Hotline at 1-800-661-3753 in Alberta or 422-4266 in Edmonton.

## Financial Decisions for Independent Living Update

CALM 20 teachers using the *Financial Decisions for Independent Living* resource package developed by Consumer and Corporate Affairs and Alberta Education are cautioned that the materials provided on landlord and tenant rights and responsibilities are now outdated.

The major changes are outlined in a tipsheet available from Alberta Consumer and Corporate Affairs.

Teachers are encouraged to call their local Alberta Consumer and Corporate Affairs offices or local Landlord and Tenant Advisory Boards for updated information.

## Family Violence Prevention

If you want to increase awareness of family violence and improve the knowledge or skills of those in your community who work with

individuals affected by family violence, funding is available for numerous small scale educational initiatives and a limited number of large scale educational projects.

To obtain an application form, contact The Office for the Prevention of Family Violence, Alberta Family and Social Services, 11th Floor, 10030-107 Street, Edmonton, Alberta, T5J 3E4, Telephone 422-5916.

## Pen Friends

The Grade 6 class of Russell Street School in Littleton, Massachusetts, is studying Canada this year. The school is near historic Concord and Lexington, site of the beginning of the American Revolutionary War. Joy Jekanoski would like to help her students make Canadian pen friends.

For more information, contact Joy Jekanoski at 6 Robin Lane, Pepperell, MA 01463, USA.

## Stepping Stones Role Model Profiles

*Role Model Profiles* is a new classroom resource in the Stepping Stones program. It offers, "real life" stories of women working in non-traditional occupations. The profiles detail the women's work experience and feature "on the job" photographs. They also provide specific career information.

The Stepping Stones role model program is about choosing careers based on aptitudes, abilities and interests, rather than on stereotypic ideas about what is appropriate — "women's" or "men's" work.

Stepping Stones is an optional resource to support the "Life Careers" component of the Grade 8 and 9 Health and Personal Life Skills curriculum and the "World of Work" theme of the Career and Life Management (CALM) 20 curriculum.

For more information, contact the Provincial Coordinator, Stepping Stones Program, Alberta Women's Secretariat, 8th Floor Kensington Place, 10011-109 Street, Edmonton, Alberta, T5J 3S8, Telephone 422-4927, Fax 422-1105.

## Just for the Well of It

A conference on creating a healthy balance, sponsored by AADAC, will be held in Calgary, December 1, 1992, and in Edmonton, December 3, 1992.

For more information, call 427-7305.

**Connection** is a publication of Alberta Education. For more information or for additional copies, contact the Editor, Curriculum Branch, 5th Floor, East Tower, Devonian Building, 11160 Jasper Avenue, Edmonton, Alberta, T5K 0L2, Telephone 422-4872, Fax 422-5129.

We welcome your comments and suggestions.

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